

Utilities (attributes)

ATTRIBUTE NAME	DOMAIN NAME	DATA TYPE	CHAR LENGTH	DEFINITION
aerator_d	value list - boolean	C	16	Indicates whether or not the lagoon has aerators. (yes/no)
aeratr_pow		D		The power rating for the aerator, usually in terms of horse power (hp).
airrfvlv_d	value list - boolean	C	16	Indicates whether or not there is an air relief valve installed on subject item? (yes/no)
alarm_lvl		D		The elevation of the preset level in a tank which activates a low water level alarm, in feet (English units) or meters (SI units) above mean sea level. Mean sea level is universally considered as the elevation reference surface although local surveys may
alrmlvlelv	value list - boolean	D		The elevation in the wetwell that triggers an alarm indicating no additional storage capacity.
alt_vlv_d		C	16	Indicates whether or not the tank has an altitude valve which controls the flow into the tank? (yes or no).
amp_rate	discriminator - hcs anchor	S		The maximum continuous current rating of the meter.
anch_typ_d		C	16	Discriminator. This value differentiates similar entities by use or type.
anchor_att	discriminator - hcs anchor	C	15	The type of anchor attachment to the pole or tower.
anchor_id		C	20	Primary Key. A unique, user defined identifier for each record or instance of an entity.
anchor_ty	discriminator - hcs anchor	C	15	The type of anchor used with this guy.
anlg_in		I		The total number of analog-in ports on the device.
anlg_in_sp	discriminator - hcs anchor	I		The number of spare analog-in ports.
anlg_ot		I		The total number of analog-out ports on the device.
anlg_ot_sp	discriminator - hcs anchor	I		The number of spare analog-out ports.
anode_id		C	20	Primary Key. A unique, user defined identifier for each record or instance of an entity.
anode_wght	unit of measure - area	R		The initial weight of the anode or anode packet.
area_u_d		C	16	The unit of measure for area.
arm_length	unit of measure - area	R		The overall length of the armor protection.

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armor_id		C	20	Primary Key. A unique, user defined identifier for each record or instance of an entity.
armor_ty_d	hydrography - bank armor lining	C	16	The type of channel armor used.
autotran_d	value list - boolean	C	16	An indicator as to whether or not an automatic transfer switch exist. (yes or no) An automatic transfer switch is an electromechanical device used to automatically change states in the event of a power failure on the primary electrical service to use an
bank_arm_d	hydrography - bank armor lining	C	16	The type of channel armor used.
base_elv		D		The elevation of the discharge point of the downspout in feet (English units) or meters (SI units) above some datum.
basin_id		C	20	Foreign Key. An operator generated identifier that uniquely identifies the subject item.
bed_mat_d	hydrography - bed material	C	16	The type of bedding material beneath the channel armor.
bil_rat_d	value list - BIL kv	C	16	The insulators basic insulation level rating.
bot_width		D		The bottom width of the armor measured along the base of the armor.
branch_sys		C	12	An operator generated identifier that is a unique site specific name or number designation of a branch or isolated area of a natural gas distribution system.
buildng_id		C	20	Foreign Key. Used to link the record to an associated facility (building, structure).
bus_mat_d	material list - electric bus	C	16	The material composition of the electrical bus group.
busgrp_id		C	20	Primary Key. A unique, user defined identifier for each record or instance of an entity.
bypass_d	value list - boolean	C	16	Indicates whether or not the treatment plant has a bypass line? (yes or no).
cable_id		C	20	Primary Key. A unique, user defined identifier for each record or instance of an entity.
cap_c_u_d	unit of measure - rate	C	16	The unit of measure for cooling capacity.
cap_h_u_d	unit of measure - rate	C	16	The unit of measure for heating capacity.
cap_u_d	unit of measure - rate	C	16	The unit of measure for flow capacity in the zone.
capac_cool		R		The plant's rated capacity (e.g., tons), which signifies the peak constant cooling ability of the plant.

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capac_heat		R		The plant's rated capacity (e.g. boiler_hp), which signifies the peak constant heating ability of the plant.
capac_zone		R		The normal operating capacity for the zone, typically in GPM.
capped_d	value list - boolean	C	16	Indicates whether or not the pole is capped (yes/no).
catprot_d	value list - boolean	C	16	Indicates whether or not the pipe has been provided with cathodic protection? (yes or no).
cbl_dia		D		The nominal diameter of the cable.
cbl_dim_d	dimension list - electric cable	C	16	The cable dimension.
cbl_lenght		D		The overall cable length.
cbl_length		D		The length of the cable between nodes.
cbl_mat_d	material list - electric cable	C	16	The material composition of the cable.
cbl_sht_d	type list - sheath insulate	C	16	The type of cable sheathing or insulation.
cbl_ten		D		The tensile force applied to the guy cable.
cbl_ty_d	type list - electric cable	C	16	The type of cable connecting the devices.
cbl_use_d	use list - electric cable	C	16	The use or purpose of the cable group.
cbldia_u_d	unit of measure - length	C	16	The unit of measure of the diameter.
cblgrp_id		C	20	Primary Key. A unique, user defined identifier for each record or instance of an entity.
cfg_ty_d	type list - electric config	C	16	The cable mounting configuration on the pole or tower.
chan_lgth		R		The overall length of the open channel.
chan_st_d	style list - open channel	C	16	The style or geometric configuration of the channel
circuit_id		C	20	Foreign Key. An operator generated identifier locally used to reference a specific electrical circuit.
cntr_ty_d	type list - electric control	C	16	The method of adjusting the kilovar output of the capacitor.

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ATTRIBUTE NAME	DOMAIN NAME	DATA TYPE	CHAR LENGTH	DEFINITION
cntrl_elv		D		The elevation at the centerline of the flow control device, in feet (English units) or meters (SI units) above some datum.
con_type_d	discriminator - fire connection	C	16	Discriminator. This value differentiates fire connections by use or type.
cond_d	structure - condition	C	16	Indicates a state of being, or readiness for use of the subject item(e.g., good, fair, poor), from lists or field inspections.
condsiz_d	dimension list - electric cable	C	16	The size of a single ungrounded conductor in the cable group in American Wire Gauge (AWG) units.
cool_mth_d	method list - equipment cooling	C	16	The method by which the pump is cooled.
cool_ty_d	method list - equipment cooling	C	16	The type of cooling for the generator engine.
cpctr_id		C	20	Primary Key. A unique, user defined identifier for each record or instance of an entity.
cpctr_kv_d	value list - electric kvar	C	16	The rating of the capacitor's ability to provide reactive power to a circuit.
cpctr_u_d	unit of measure - electric	C	16	The unit of measure for the electrical capacitor.
cpcty_act		R		The measured capacity of the pump operating under actual normal head and flow conditions.
cpcty_alrm		D		Capacity alarm level.
cpcty_dgn		D		The design flow capacity of the subject item.
cpcty_kva		C	12	The limit of the complex power which the demand meter can record.
cpcty_oper		S		The normal continuous amount of complex power that the substation provides.
cpcty_rate		R		The maximum continuous amount of complex power that the substation can provide.
cpcty_u_d	unit of measure - volume	C	16	The unit of measure of oil capacity.
currnt_out		D		The output direct current from the rectifier to the anode system.
currnt_u_d	unit of measure - electric	C	16	The unit of measure for electrical current.
date_acqrd		I		The date on which the subject item was originally acquired or purchased. Format for date is YYYYMMDD (i.e., September 15, 1994 = 19940915).

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date_anl		I		Date on which water quality analyses were performed.
date_const		I		The date on which the subject item construction was complete and user occupancy provided. (YYYYMM)
date_manuf		I		The date of manufacturer for the subject item (YYYYMMDD).
date_per_x		I		The date the current permit expires for the subject item.
date_treat		I		The date that the pole was last treated. Format for date is YYYYMMDD (i.e. September 15, 1994 = 19940915).
db_loss		D		Loss of a signal over a conductor expressed in decibels.
dbk_length		D		The total length of the ductbank from source to load. Manholes and pullboxes should not break the measurement.
dbk_size_d	size list - ductbank	C	16	A two dimensional description of the physical size of the ductbank including units of measure (e.g., 2 ft x 2 ft, 3 m x 3 m).
depth_avg		D		The average depth of containment measured from normal operating pool.
design_d	discriminator - utility guy	C	16	Discriminator. This value differentiates similar entities by use or type.
dev_ty_d	type list - ecm device	C	16	Discriminator: This value differentiates similar entities by use or type.
device_id		C	20	Primary Key. A unique, user defined identifier for each record or instance of an entity.
dgtl_in		I		The total number of digital-in ports on the device.
dgtl_in_sp		I		The number of spare digital-in ports.
dgtl_ot		I		The total number of digital-out ports on the device.
dgtl_ot_sp		I		The number of spare digital-out ports.
dia_in		D		The inside, or interior, diameter of the fitting.
dia_u_d	unit of measure - length	C	16	The unit of measure for diameter.
dim_u_d	unit of measure - length	C	16	The units of measure for the length.

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ATTRIBUTE NAME	DOMAIN NAME	DATA TYPE	CHAR LENGTH	DEFINITION
dischrg_id		C	20	Primary Key. A unique, user defined identifier for each record or instance of an entity.
disposal		C	30	Brief description of how the waste is disposed.
dispostn_d	disposition list - object	C	16	The status of the subject item (e.g., permanent, temporary, proposed, abandoned, etc.), from lists or entered from field inspections.
distrc_t_id		C	20	Primary Key. A unique, user defined identifier for each record or instance of an entity.
dnspt_id		C	20	Primary Key. A unique, user defined identifier for each record or instance of an entity.
dnspt_lgth		R		The length of the downspout, measured from highest point to its discharge point.
drain_ty_d	type list - drain	C	16	The type of subject item drain.
drnfl_st_d	style list - drain field	C	16	The style of field drain system indicating the configuration and layout of the drain lines.
drng_pat_d	hydrography - drainage pattern	C	16	The drainage pattern of the material surrounding the pipe.
drng_tex_d	hydrography - drainage density	C	16	The texture of the material surrounding the pipe.
drng_zon_d	hydrography - drainage zone	C	16	Local name of assigned hydrographic drainage zones.
dstbx_d	value list - boolean	C	16	Indicates whether or not a distribution box exists for the subject item. (yes or no)
dstbx_i_el		D		The invert elevation of the inside bottom of the distribution box.
duct_mat_d	material list - pipe	C	16	An indication of the type of material of which the duct is composed.
ductbnk_id		C	20	Foreign Key. An operator generated identifier used locally to identify a ductbank.
ecmcirc_id		C	20	Foreign Key. An operator generated identifier locally used to reference a specific electrical circuit.
ecmdbnk_id		C	20	Foreign Key. An operator generated identifier used locally to identify a ductbank.
ecmped_id		C	20	Primary Key. A unique, user defined identifier for each record or instance of an entity.
ecmsect_id		C	20	Foreign Key. Used to link the record to an associated pipe or cable section.
elemnhl_id		C	20	Primary Key. An operator generated identifier unique for a electrical manhole.

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ATTRIBUTE NAME	DOMAIN NAME	DATA TYPE	CHAR LENGTH	DEFINITION
elereg_id		C	20	Primary Key. A unique, user defined identifier for each record or instance of an entity.
elsect_id		C	20	Foreign Key. Used to link the record to an associated pipe or cable section.
elgrnd_id		C	20	Primary Key. A unique, user defined identifier for each record or instance of an entity.
elmark_id		C	20	Primary Key. A unique, user defined identifier for each record or instance of an entity.
elsplce_id		C	20	Primary Key. A unique, user defined identifier for each record or instance of an entity.
elv_u_d	unit of measure - length	C	16	The unit of measure for elevation, usually feet (ft) or meters (m).
encl_typ_d	type list - electric motor encl	C	16	The type of enclosure used to protect the rectifier.
enclty_d	type list - electric motor encl	C	16	The type enclosure the motor has to protect it from outside elements like the weather.
eng_man_id		C	20	Foreign Key. An operator generated identifier used to identify the engine manufacturer.
eng_model		C	20	The engine Model, Product, Catalog, or Item Number.
eng_ser_no		C	20	The engine serial number.
engine_hp		S		The power rating of the prime mover of the generator in horsepower.
event_id		C	20	Foreign Key. An operator generated identifier used to reference a specific node. The x,y,z coordinate from the subject table should match the x,y,z coordinate from the node table with this node_id.
event_or dr		I		The defined order of the event (1, 2, 3, etcetera).
event_ty_d	type list - event	C	16	The state of an event (start, end, intermediate, middle, etcetera)
ext_lit_id		C	20	Primary Key. A unique, user defined identifier for each record or instance of an entity.
facil_id		C	20	Alternate Key used to link the record to a user defined Facility Management or Asset Management Database.
fct_depth		D		The depth below the ground surface or cover measured from the top of the subject item.
fct_length		D		The overall length of the flow control.
fct_width		D		The width dimension of the subject item, measured from opposite inside faces.

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ATTRIBUTE NAME	DOMAIN NAME	DATA TYPE	CHAR LENGTH	DEFINITION
feat_desc		C	60	Any brief description of the feature.
fire_flow		D		The code or regulation required fire flow rate from a fire hydrant or fire flow connection.
fit_depth		D		The depth below the ground surface or cover measured from the top of the subject item.
fit_elv		D		The elevation measured at centerline of the fitting, in feet (English units) or meters (SI units) above some datum.
fit_length		D		The overall length of the fitting.
fit_lgth		D		The overall length of the fitting.
fit_width		D		The width dimension of the subject item measured at its' widest point.
fitting_id		C	20	Primary Key. A unique, user defined identifier for each record or instance of an entity.
fix_height		D		The height of the fixture above a given reference, usually the grounds surface.
fix_ty_d	type list - gas fixture	C	16	The type of fixture.
fix_use_d	use list - gas fixture	C	16	The use or purpose of the gas fixture.
fixture_id		C	20	Primary Key. A unique, user defined identifier for each record or instance of an entity.
flctdev_id		C	20	Primary Key. A unique, user defined identifier for each record or instance of an entity.
fld_flow		D		The flow rate of the flood based on the flow elevation.
fld_freq		D		The statistical reoccurring frequency of the flood measured in years up to the probable maximum flood (PMF). Typical values are 5-yr, 10-yr, 25-yr, 50-yr, 100-yr, 500-yr, etc.
fld_zon_d	hydrography - drainage zone	C	16	Local name of assigned hydrographic drainage zones.
flmean_elv		D		The elevation of the mean flow above a specific datum.
flmean_top		D		The average top width of the mean flow.
flmean_xar		R		The cross section area of the mean flow for the open channel.
flood_id		C	20	Primary Key. A unique, user defined identifier for each record or instance of an entity.

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ATTRIBUTE NAME	DOMAIN NAME	DATA TYPE	CHAR LENGTH	DEFINITION
flooddepth		D		The average depth of the specific flood.
floor_elv		D		The height (or depth) of the bottom of the manhole measured from grade.
flow_act		R		The measured peak treatment capacity of the water treatment plant when installation has been completed and it is operating under normal inflow and demand conditions.
flow_elv		D		The average flood elevation.
flow_mean		D		The mean or average flow rate for the open channel.
flow_rate		D		The manufacturer's pump capacity (e.g., gpm) rating at a specific design total dynamic head (TDH), usually depicted by a pump curve.
flow Rated		R		The plant manufacturer's rated treatment plant capacity (e.g., gpm), which signifies the peak constant or daily flow of rawwater that the plant can treat and transform to the specified water quality requirements.
flow_test		I		The date of the last fire flow test conducted at the subject fire hydrant or fire department connection. Format for date is YYYYMMDD (i.e., September 15, 1994 = 19940915).
flow_u_d	unit of measure - rate	C	16	The unit of measure for flow rate.
flowcpcty		D		The flow capacity of the subject item.
flowwidth		D		The top flow width.
frame_ty_d	type list - substation frame	C	16	The substation structural frame configuration.
frcoord_x		D		The x component of individual beginning coordinate point.
frcoord_y		D		The y component of individual beginning coordinate point.
freq_u_d	unit of measure - rate	C	16	The unit of measure for frequency.
fuel_src_d	source list - fuel gas	C	16	The source of fuel for the pumps.
fuel_ty_d	type list - fuel gas	C	16	The type of fuel required to operate the prime mover of the generator.
fulair_id		C	20	Primary Key. A unique, user defined identifier for each record or instance of an entity.

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fulanod_id		C	20	Primary Key. A unique, user defined identifier for each record or instance of an entity.
fulant_id		C	20	Primary Key. A unique, user defined identifier for each record or instance of an entity.
fulfitt_id		C	20	Primary Key. A unique, user defined identifier for each record or instance of an entity.
fulflt_id		C	20	Primary Key. A unique, user defined identifier for each record or instance of an entity.
fulhydr_id		C	20	Primary Key. A unique, user defined identifier for each record or instance of an entity.
fulmetr_id		C	20	Primary Key. An operator generated identifier unique for a fuel meter.
fulmnhl_id		C	20	Primary Key. An operator generated identifier unique for a fuel manhole.
fulpipe_id		C	20	Foreign Key. An operator generated identifier of the utility line pipe to which the subject item is connected. Pipe_id represents the unique site specific numerical designation assigned to each section of pipe in a utility system (e.g., water, gas, sewer), interconnected by
fulsect_id		C	20	Foreign Key. Used to link the record to an associated pipe or cable section.
fulstat_id		C	20	Foreign Key. Used to link the record to an associated station (pump station, pressure reducing station).
fulzone_id		C	20	Foreign Key. Used to link the record to the appropriate utility management zone.
fuse_rate		S		The current rating of the fuse protecting the regulator. This will be on the primary side.
fuse_ty_d	type list - electric switch	C	16	A label chosen from a standard list of labels describing the characteristics of the fuse.
gas_ty_d	type list - fuel gas	C	16	The type of fuel or gas dispensed, carried, used or otherwise handled by the subject item.
gasfitt_id		C	20	Primary Key. A unique, user defined identifier for each record or instance of an entity.
gasmetr_id		C	20	Primary Key. An operator generated identifier unique for a gas meter.
gasmnhl_id		C	20	Primary Key. An operator generated identifier unique for a natural gas manhole.
gaspipe_id		C	20	Foreign Key. An operator generated identifier of the utility line pipe to which the subject item is connected. Pipe_id represents the unique site specific numerical designation assigned to each section of pipe in a utility system (e.g., water, gas, sewer), interconnected by
gaspump_id		C	20	Primary Key. A unique, user defined identifier for each record or instance of an entity.

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gasrect_id		C	20	Primary Key. A unique, user defined identifier for each record or instance of an entity.
gasreg_id		C	20	Primary Key. A unique, user defined identifier for each record or instance of an entity.
gassect_id		C	20	Foreign Key. Used to link the record to an associated pipe or cable section.
gassrce_id		C	20	Foreign Key. An operator generated identifier identifying name or number of the gas/fuel source.
gasstat_id		C	20	Foreign Key. Used to link the record to an associated station (pump station, pressure reducing station).
gastank_id		C	20	Foreign Key. An operator generated identifier used to locally identify the subject item.
gasvlv_id		C	20	Foreign Key. The unique site specific identification name or number of a valve associated with or connected to the subject item.
gaszone_id		C	20	Foreign Key. Used to link the record to the appropriate utility management zone.
gate_cpcty		D		The flow capacity of the storm gate.
gate_lgth		D		The overall length of the storm gate.
gate_st_d	style list - gates	C	16	The particular kind, class, or group of gate.
gate_width		D		The width dimension of the subject item, measured from opposite inside faces.
gen_ty_d	type list - generator	C	16	Discriminator: This value differentiates similar entities by use or type.
genratr_id		C	20	Primary Key. A unique, user defined identifier for each record or instance of an entity.
grade_max		D		The maximum or steepest grade in the drainage basin.
grade_mean		D		The average grade in the drainage basin.
grade_min		D		The minimum or shallowest grade in the drainage basin.
grade_u_d	unit of measure - angular	C	16	The unit of measure for grade.
grit_type		C	12	The predominate type of grit collected in the grit chamber.
grnd_elv		D		The elevation of the ground surface at the discharge point, in feet (English units) or meters (SI units) above some datum.

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ATTRIBUTE NAME	DOMAIN NAME	DATA TYPE	CHAR LENGTH	DEFINITION
grnd_elv_1		D		The elevation of the ground surface at node_id_1, in feet (English units) or meters (SI units) above some datum.
grnd_elv_2		D		The elevation of the ground surface at node_id_2, in feet (English units) or meters (SI units) above some datum.
ground_elv		D		The ground elevation at the subject item.
grounded_d	value list - boolean	C	16	An indicator as to whether or not the pole is grounded. (yes or no)
grtchbr_d	value list - boolean	C	16	An indicator as to whether or not the subject item has a grit chamber. (yes or no)
grtchbr_id		C	20	Primary Key. A unique, user defined identifier for each record or instance of an entity.
gtp_cpcty		D		The grease trap's storage capacity (e.g., gallons, ft3, etc).
gtp_depth		D		The depth below the ground surface or cover measured from the top of the subject item.
gtp_length		S		The overall length of the grease trap.
gtp_width		D		The width dimension of the subject item, measured from opposite inside faces.
guy_id		C	20	Primary Key. A unique, user defined identifier for each record or instance of an entity.
guy_ty_d	type list - utility guy	C	16	The configuration of the guy construction.
hcsanod_id		C	20	Primary Key. A unique, user defined identifier for each record or instance of an entity.
hcsant_id		C	20	Primary Key. A unique, user defined identifier for each record or instance of an entity.
hcsfitt_id		C	20	Primary Key. A unique, user defined identifier for each record or instance of an entity.
hcsmetr_id		C	20	Primary Key. An operator generated identifier unique for a heating/cooling meter.
hcsmnhl_id		C	20	Primary Key. An operator generated identifier unique for a heating/cooling system manhole.
hcspipe_id		C	20	Foreign Key. An operator generated identifier of the utility line pipe to which the subject item is connected. Pipe_id represents the unique site specific numerical designation assigned to each section of pipe in a utility system (e.g., water, gas, sewer), interconnected by
hcsplnt_id		C	20	Primary Key. A unique, user defined identifier for each record or instance of an entity.

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hcs_pump_id		C	20	Primary Key. A unique, user defined identifier for each record or instance of an entity.
hcs_rect_id		C	20	Primary Key. A unique, user defined identifier for each record or instance of an entity.
hcs_reg_id		C	20	Primary Key. A unique, user defined identifier for each record or instance of an entity.
hcs_vlv_id		C	20	Primary Key. A unique, user defined identifier for each record or instance of an entity.
hcs_zone_id		C	20	Foreign Key. Used to link the record to the appropriate utility management zone.
head_norm		D		The normal operating head for the subject item.
head_u_d	unit of measure - rate	C	16	The unit of measure for head.
hertz_d	value list - hertz	C	16	The frequency of the electrical signal that the generator creates.
hght_u_d	unit of measure - length	C	16	The unit of measure for height.
hi_wat_elv		D		The high water or overflow elevation of the storage tank at the pumping station, in feet (English units) or meters (SI units) above some datum.
hp_u_d	unit of measure - electric	C	16	The unit of measure for horse power.
hyd_elv		D		The elevation of the hydrant, measured at the hydrant outlet, in feet (English units) or meters (SI units) above some datum.
hyd_ty_d	type list - hydrant	C	16	The particular kind, class, or group of hydrant.
hydrant_id		C	20	Primary Key. A unique, user defined identifier for each record or instance of an entity.
imped_u_d	unit of measure - electric	C	16	The unit of measure for impedance.
impedance		D		The overall device resistance measured in ohms.
imwplnt_id		C	20	Foreign Key. The site specific unique identification name or number of the treatment plant.
inlet_dia		D		The diameter of the hydrant inlet connection.
inlet_st_d	discriminator - inlets	C	16	Discriminator. This value differentiates similar entities by use or type.
insl_typ_d	type list - sheath insulate	C	16	The type of insulation covering the conductor.

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instl_ty_d	discriminator - installation	C	16	Discriminator. This value differentiates similar entities by use or type.
insul_cl_d	type list - electric motor insul	C	16	The classification of the motor's insulation.
insulmat_d	type list - sheath insulate	C	16	The type of material with which the conductors are insulated from each other and from their surroundings.
int_mtr_d	value list - boolean	C	16	An indicator as to whether or not the rectifier has an internal meter, yes/no.
inv_elv_1		D		The elevation of the bottom of pipe (i.e., pipe invert) at node_id_1 in feet (English units) or meters (SI units) above some datum.
inv_elv_2		D		The elevation of the bottom of pipe (i.e., pipe invert) at node_id_2 in feet (English units) or meters (SI units) above some datum.
inv_elv_av		D		The average elevation of the bottom of the lagoon.
invert_elv		D		The top surface elevation of the subject item's interior floor/bottom in feet (English units) or meters (SI units) above some datum.
inwdscet_id		C	20	Foreign Key. An operator generate identifier used locally to reference a specific distribution or collection district for the subject utility.
inwfitt_id		C	20	Primary Key. A unique, user defined identifier for each record or instance of an entity.
inwgrtc_id		C	20	Primary Key. A unique, user defined identifier for each record or instance of an entity.
inwinlt_id		C	20	Primary Key. A unique, user defined identifier for each record or instance of an entity.
inwlgon_id		C	20	Primary Key. A unique, user defined identifier for each record or instance of an entity.
inwmetr_id		C	20	Primary Key. An operator generated identifier unique for a industrial waste meter.
inwmnhl_id		C	20	Primary Key. An operator generated identifier unique for an industrial waste manhole.
inwpipe_id		C	20	Foreign Key. An operator generated identifier of the utility line pipe to which the subject item is connected. Pipe_id represents the unique site specific numerical designation assigned to each section of pipe in a utility system (e.g., water, gas, sewer), interconnected by
inwplnt_id		C	20	Foreign Key. The site specific unique indentification name or number of the treatment plant.
inwpump_id		C	20	Primary Key. A unique, user defined identifier for each record or instance of an entity.

Utilities (attributes)

ATTRIBUTE NAME	DOMAIN NAME	DATA TYPE	CHAR LENGTH	DEFINITION
inwsect_id		C	20	Foreign Key. Used to link the record to an associated pipe or cable section.
inwsep_id		C	20	Primary Key. A unique, user defined identifier for each record or instance of an entity.
inwstat_id		C	20	Foreign Key. Used to link the record to an associated station (pump station, pressure reducing station).
inwtank_id		C	20	Foreign Key. An operator generated identifier used to locally identify the subject item.
inwvlv_id		C	20	Primary Key. A unique, user defined identifier for each record or instance of an entity.
kva_rate		S		The rating of the complex power that the generator creates.
kw_rate		S		The rating of the real power that the generator creates.
lab_name_d	name list - laboratory	C	16	The name of the laboratory primarily responsible for completing the required tests for the subject item.
lab_ty_d	type list - laboratory	C	16	The type of the laboratory primarily responsible for completing the required tests for the subject item.
lagoon_id		C	20	Primary Key. A unique, user defined identifier for each record or instance of an entity.
laterl_slp		D		The average slope of all drainage laterals.
laterl_tot		D		The total (sum) length of all drainage laterals.
laterlmean		D		The mean or average length of the drainage laterals.
lenght_u_d	unit of measure - length	C	16	The unit of measure for length.
length_u_d	unit of measure - length	C	16	The unit of measure for length.
level_1_on		D		The elevation of the preset level in a tank which activates one pump or one control valve which supplies water to the tank, in feet (English units) or meters (SI units) above some datum.
level_2_on		D		The elevation of the preset level in a tank which activates a second pump, or control valve, which operates in conjunction with the first activated pump, or control valve, to supply water to the tank, in feet (English units) or meters (SI units) above som
level_off		D		The elevation of the preset level in a tank which turns off the pump(s) or control valve(s) which supply water to the tank, in feet (English units) or meters (SI units) above some datum.

Utilities (attributes)

ATTRIBUTE NAME	DOMAIN NAME	DATA TYPE	CHAR LENGTH	DEFINITION
level_shut		D		The elevation of the preset level in a tank (ground storage or supply tank) which indicates a dangerously low water level in the tank and turns off all pumps which draw water from the tank, in feet (English units) or meters (SI units) above some datum.
lgn_length		D		The average length of the lagoon.
lgn_width		D		The average width dimension of the lagoon, measured from top of opposite side slopes.
lined_d	value list - boolean	C	16	An indicator as to whether the pipe is lined or not (yes/no).
liner_ty_d	type list - manhole liner	C	16	The type of liner used if the pit/manhole is used for neutralizing chemicals.
lit_typ_d	discriminator - external light	C	16	Discriminator -
load_prcnt		S		The percentage of the total KVA capacity of the transformer that is presently connected to it. This percentage of the load is obtained by circuit analysis.
loosbuf_d	value list - boolean	C	16	An indicator as to whether or not the cable is loose buffered (yes/no).
manage_off		C	12	The managing office/organization.
manhole_d	value list - boolean	C	16	An indication as to whether or not is part of a manhole or has access via a manhole (yes/no).
manhole_id		C	20	Primary Key. An operator generated identifier unique for a storm sewer manhole.
manuf_id		C	16	Foreign Key. An operator generated identifier used to identify a specific manufacturer.
marker_id		C	20	Primary Key. An operator generated identifier unique for a general utility marker.
mat_d	material list - pipe	C	16	The material composition of the subject item, such as wood, concrete, steel, cast iron, plastic, etc.
material_d	material list - anodes	C	16	The type of material composition of the anode or anode packet.
meas_ty_d	type list - diameter measure	C	16	This attribute provides information concerning the basis for the subject item's inlet and outlet dimensions (e.g., inside diameter, outside diameter, nominal).
meter_elv		D		The elevation at the centerline of the meter, in feet (English units) or meters (SI units) above some datum.
meter_id		C	20	Primary Key. An operator generated identifier unique for a electric meter.

Utilities (attributes)

ATTRIBUTE NAME	DOMAIN NAME	DATA TYPE	CHAR LENGTH	DEFINITION
meter_ty_d	type list - electric meter	C	16	A label describing the features of the electrical system that the meter is measuring.
mh_dia		D		The diameter dimension of the subject item, measured from inside face of wall to inside face of opposite wall.
mh_length		D		The length dimension of the subject item, from outside face of exterior wall/side to outside face of opposite exterior wall/side.
mh_width		D		The width dimension of the subject item, from outside face of exterior wall/side to outside face of opposite exterior wall/side.
model_no		C	12	The Model, Product, Catalog, or Item Number of subject item.
mon_agency	type list - motor	C	15	The regulator agency that monitors inflow, containment, and discharge for the subject item.
motor_hp		C	15	The output power rating of the motor in units of horsepower.
motor_id		C	20	Primary Key. A unique, user defined identifier for each record or instance of an entity.
motor_ty_d		C	16	A label representing the name of a certain category of motors in which the motor fits based on common features of construction with other motors in the same category.
mount_d		C	16	Discriminator. The type of mounting for the transformer bank.
mtr_const	discriminator - electric tranbnk	I		The multiplication factor by which one must multiply the difference in present and previous meter readings to determine actual power consumed.
mtr_custmr		C	20	The name of the individual, company, or government agency served by the subject item.
mtr_depth		D		The depth below the ground surface or cover measured from the top of the subject item.
mtr_length		D		The overall length of the meter.
mtr_use_d		C	16	An indication of the type of service the meter is monitoring.
mtr_width	use list - electric device	D		The overall width dimension of the subject item.
name_d		C	16	The site specific identification name or number assigned to the subject item.
narrative		C	240	A description or other unique information concerning the subject item, limited to 240 characters.
neut_agent		C	30	The chemical agent in the pit which chemically neutralizes the in stream reactant.

Utilities (attributes)

ATTRIBUTE NAME	DOMAIN NAME	DATA TYPE	CHAR LENGTH	DEFINITION
neut_dia		D		The diameter dimension of the subject item, measured from inside face of wall to inside face of opposite wall.
neut_id		C	20	Primary Key. A unique, user defined identifier for each record or instance of an entity.
neut_lngth		D		The length dimension of the subject item, from outside face of exterior wall/side to outside face of opposite exterior wall/side.
neut_mat_d	material list - electric cable	C	16	The type of material composing the neutral conductors in a section.
neut_width		D		The width dimension of the subject item, from outside face of exterior wall/side to outside face of opposite exterior wall/side.
neutsize_d	dimension list - electric cable	C	16	The size of a single neutral conductor in American Wire Gauge (AWG) units.
no_cables		S		A number representing the total number of cables in the manhole. A cable passing through the manhole counts as one cable and a cable tying into another cable inside the manhole counts as one cable.
no_circuit		S		The total number of circuits that are being fed by the substation.
no_conduct		S		The total number of ungrounded conductors in the cable.
no_ducts		S		An indicator of the number of conduits or wireways found in the ductbank.
no_floods		S		The total number of floods recorded for this channel.
no_lateral		S		The total number of laterals.
no_links		S		Number of links in the cable.
no_neutral		S		The number of neutral conductors.
no_pairlnk		S		The number of twisted pair linked to the device.
no_pairs		S		The number of pairs in a twisted pair cable.
no_phases		S		The number of phases to which this device provides reactive power.
no_pipes		S		The number of the pipes entering and exiting the subject item.

Utilities (attributes)

ATTRIBUTE NAME	DOMAIN NAME	DATA TYPE	CHAR LENGTH	DEFINITION
no_pipes_i		S		The number of pipes discharging into the subject item.
no_pipes_o		S		The number of pipes carrying material/fluid out of the subject item.
no_pumps		S		The total number of pumps located at the subject item.
no_spare		S		The number of spare ducts enclosed in the ductbank for future use.
no_switch		S		The number of switches at this installation. Each switch has its own record.
no_taps		S		The number of available points of connection on the regulator which may be used to change the voltage.
no_term		I		The total number of terminal connections at the test station.
no_trans		S		The total number of transformers presently in use at the substation.
no_valves		S		The number of valves inside the subject item.
nodal_elv		R		The elevation of subject node, which is used in performing computer analyses of the water distribution system. The node elevation is usually the ground elevation at the subject node, or the elevation of the subject item located at the subject node (e.g.,
o_w_sep_d	value list - boolean	C	16	An indicator as to whether or not grit chamber has an intergrated oil-water separator. (yes or no)
observ_id		C	20	Foreign Key. An operator generated identifier used to locally designate an observation occurence.
oil_cpcty		D		The manufacturer recommended amount of oil that the generator engine requires to operate properly.
out_cntr		C	12	The outlet control.
outcon1dia		D		The diameter of the hydrant outlet, or for hydrants with more than one outlet, the diameter of the largest hydrant outlet.
outcon2dia		D		The diameter of the hydrant outlet, or for hydrants with more than one outlet, the diameter of the second largest hydrant outlet.
outcon3dia		D		The diameter of the hydrant outlet, or for hydrants with more than one outlet, the diameter of the smallest hydrant outlet.
outflw_act		R		The actual measured pump flow output.

Utilities (attributes)

ATTRIBUTE NAME	DOMAIN NAME	DATA TYPE	CHAR LENGTH	DEFINITION
outflw_rat		R		The manufacturer's pump capacity (e.g., gpm) rating at a specific design total dynamic head (TDH), usually depicted by a pump curve.
ovrflw_elv		D		The elevation measured at the point of overflow, or entrance, into the tank overflow pipe., in feet (English units) or meters (SI units) above some datum.
own_stat_d	status list - owner	C	16	The relationship of the owner, or managing government agency, to the subject item, as leased, owned, rented, etc.
owner_d	name list - owner	C	16	The name of the owner, or managing government agency, of the subject item.
owner_ty_d	type list - owner	C	16	The type of owner.
ped_id		C	20	Primary Key. A unique, user defined identifier for each record or instance of an entity.
perc_u_d	unit of measure - rate	C	16	The unit of measure for soil percolation.
perim_u_d	unit of measure - length	C	16	The unit of measure for length.
permit_no		C	28	The unique site specific permit number issued from the regulating agency for operation of the generator.
phas_ltr_d	type list - electric phase	C	16	The letter(s) of the phase(s) for the subject item.
pip_out_id		C	20	Foreign Key. An operator generated identifier of the utility line pipe to which the subject item is connected. Pipe_id represents the unique site specific numerical designation assigned to each section of pipe in a utility system (e.g., water, gas, sewer), interconnected by
pip_outl_d	value list - boolean	C	16	An indicator as to whether or not the lagoon has pipe outlets. (yes or no)
pipe_id		C	20	Foreign Key. An operator generated identifier of the utility line pipe to which the subject item is connected. Pipe_id represents the unique site specific numerical designation assigned to each section of pipe in a utility system (e.g., water, gas, sewer), interconnected by
pipe_in_id		C	20	Foreign Key. An operator generated identifier of the utility line pipe to which the subject item is connected. Pipe_id represents the unique site specific numerical designation assigned to each section of pipe in a utility system (e.g., water, gas, sewer), interconnected by
pipe_lgth		R		The length of pipe, measured from node to node along the pipe centerline .
pipe_width		D		The width dimension of the subject item, measured from opposite inside faces.

Utilities (attributes)

ATTRIBUTE NAME	DOMAIN NAME	DATA TYPE	CHAR LENGTH	DEFINITION
plant_elv	material list - pole	D		The finished floor elevation of the treatment plant, in feet (English units) or meters (SI units) above some datum.
plant_lgth		D		The overall length dimension of the treatment plant.
plantwidth		D		The overall width dimension of the water treatment plant.
pole_depth		D		The depth the pole is buried in the foundation (usually the ground surface).
pole_hght		D		The distance the pole extends above the foundation (usually the ground surface).
pole_id		C	20	Foreign Key. An operator generated identifier used to uniquely identify the subject item.
pole_lgth		D		The overall length of the pole from tip to tip.
pole_mat_d		C	16	The material composition of the pole.
poleheight		D		The height of the pole measured from the ground surface to the top.
power_fact		R		The cosine of the phase angle between the voltage and the current that the generator creates.
prcnt_tap		D		The percentage of the voltage that will be changed by moving the connection up or down one tap.
press_alm		D		The preset pressure setting of a tank which activates a low tank pressure alarm.
press_cool		R		The nominal chilled water pressure leaving the plant.
press_heat		R		The nominal hot water or steam pressure leaving the plant.
press_high		D		The preset high, or maximum, operating pressure setting of a tank. For a hydropneumatic (i.e., pressure) type tank this is the setting at which all pumps supplying water to the tank, and all air compressors supplying compressed air to the tank, are off.
press_in		D		The design fuel system pressure in the line on inlet side of the pressure regulator.
press_low		D		The preset low, or minimum, operating pressure setting of a tank. For a hydropneumatic (i.e., pressure) type tank this is the setting which activates the pump(s) supplying water to the tank. For an elevated type tank, this is the setting which activates
press_max		D		The manufacturer's or industry standard's maximum pressure rating of the subject item.

Utilities (attributes)

ATTRIBUTE NAME	DOMAIN NAME	DATA TYPE	CHAR LENGTH	DEFINITION
press_norm		D		The normal operating pressure of the subject item.
press_oper		D		The normal operating gas system pressure in the gas line on the inline side of the station.
press_out		D		The design or maximum system pressure in the line on outlet side of the pressure reducing station.
press_reqd		D		The required maximum outlet pressure setting for the regulator.
press_resd		D		The measured pressure at a hydrant or connection during a flow test conducted at the subject hydrant or connection.
press_stat		D		The numeric pressure head on the subject item under static (i.e., no flow or demand) conditions in the utility system.
press_u_d	unit of measure - pressure	C	16	The unit of measure of pressure.
press_zone		R		The normal operating pressure for the zone, typically in feet of water.
pri_volt_d	value list - voltage	C	16	The voltage on the source side of the regulator with the associated units given.
prim_rqd_d	value list - boolean	C	16	An indicator as to whether or not the pump has to be primed? (yes or no).
prime_meth		C	15	The method by which the pump is primed.
prod_typ_d	type list - heating-cooling	C	16	The type of product (chilled water, high temp, etc) produced at this plant.
project_id		C	20	Foreign Key. Used to link the record to the appropriate project or contract under which the item was studied, collected, installed, purchased, or managed.
pump_elv		R		The elevation measured at centerline of the pump, in feet (English units) or meters (SI units) above some datum.
pump_hp		D		The power generated by the pump, equal in the U.S. to 746 watts and nearly equivalent to the English gravitational unit of the same name that equals 550 foot-pounds of work per second.
pump_id		C	20	Primary Key. A unique, user defined identifier for each record or instance of an entity.
pwr_gen		D		The power generated by the pump, equal in the U.S. to 746 watts and nearly equivalent to the English gravitational unit of the same name that equals 550 foot-pounds of work per second.
pwr_req_d	value list - voltage	C	16	The voltage of the electrical power required by the subject item.

Utilities (attributes)

ATTRIBUTE NAME	DOMAIN NAME	DATA TYPE	CHAR LENGTH	DEFINITION
rate_u_d	unit of measure - rate	C	16	The unit of measure for rate.
reach_name		C	20	An operator generated identifier for the reach of an open channel.
reactance		R		The reactance of the bus provided by the manufacturer.
reactant		C	30	The chemical in the incoming waste stream being neutralized.
readout_d	type list - display	C	16	The type of display or readout for the device.
rect_id		C	20	Primary Key. A unique, user defined identifier for each record or instance of an entity.
red_sta_id		C	20	Primary Key. A unique, user defined identifier for each record or instance of an entity.
reg_elv		D		The elevation of the pressure regulator, measured at the regulator centerline.
reg_id		C	20	Primary Key. A unique, user defined identifier for each record or instance of an entity.
reg_type_d	type list - electric volt regul	C	16	The type of voltage regulator.
reg_use_d	use list - electric device	C	16	An indication of whether the regulator is on a line or in a substation.
reg_weight		S		The force of the regulator toward the center of the earth due to the regulator's mass.
res_id		C	20	Primary Key. A unique, user defined identifier for each record or instance of an entity.
res_length		D		The overall length of the reservoir.
res_typ_d	type list - reservoir	C	16	The type or classification of the reservoir.
res_width		D		The average width dimension of the reservoir, measured from top of opposite side slopes.
resistance		R		The resistance of the bus provided by the manufacturer.
rim_elv		D		The elevation of exterior top surface of the subject item's lid, hatch, rim, or roof in feet (English units) or meters (SI units) above some datum.
rock_cnd_d	condition list - rock strength	C	16	The condition of the rock relative to the rocks strength and integrity.
sbn_id		C	20	Primary Key. A unique, user defined identifier for each record or instance of an entity.

Utilities (attributes)

ATTRIBUTE NAME	DOMAIN NAME	DATA TYPE	CHAR LENGTH	DEFINITION
sbn_length		D		The overall length of the stilling basin.
sbn_width		D		The average width dimension of the stilling basin, measured from top of opposite side slopes.
scrn_ty_d	type list - culvert screen	C	16	The type of screen used to cover the end of the culvert.
sec_volt_d	value list - voltage	C	16	The voltage on the load side of the regulator with the associated units given.
sep_code		C	2	The oil-water separator code.
sep_contnt		C	20	Separator contents
sep_id		C	20	Primary Key. A unique, user defined identifier for each record or instance of an entity.
sep_name		C	12	The site specific identification name or number assigned to the subject item.
sep_procss		C	30	The specific type of separation process.
sep_volume		D		The volume of the oil-water separator.
serial_no		C	15	The manufacturer's serial, or unique identification number of the subject item.
sewrdrn_id		C	20	Primary Key. A unique, user defined identifier for each record or instance of an entity.
sewrwal_id		C	20	Primary Key. A unique, user defined identifier for each record or instance of an entity.
sign_hgth		D		The height dimension of the sign.
sign_mat_d	material list - pole	C	16	The material composition of the sign.
sign_text		C	30	The text on the sign, up to 30 characters.
sign_width		D		The width dimension of the sign.
size_d	value list - pipe diameter	C	16	The manufacturer's designated size, or nominal (i.e., rounded to the nearest unit) diameter for the subject item (e.g., 1" gas hydrant, 2" meter, 6" pipe).
size_u_d	unit of measure - length	C	16	This attribute provides information concerning the unit of measure for size of the subject item.
sizeneut_d	dimension list - electric cable	C	16	The size of the neutral conductors.

Utilities (attributes)

ATTRIBUTE NAME	DOMAIN NAME	DATA TYPE	CHAR LENGTH	DEFINITION
slope_bot		D		The slope of the bottom of the subject item expressed as a percentage.
slope_left		D		The slope of the left channel side expressed as a percentage.
slope_right		D		The slope of the right channel side expressed as a percentage.
slope_u_d	unit of measure - angular	C	16	The unit of measure for slope.
smpl_freq		S		The frequency at which material sampling is conducted.
soil_cdn_d	condition list - soil consistncy	C	16	The consistancy of the soil indicating soil condition and strength.
soil_cnd_d	condition list - soil consistncy	C	16	The soil condition indicating the soil's strength and integrity.
soil_ero_d	soils - erosion K	C	16	The erosion potential of the soil.
soil_fam_d	soils - family	C	16	The soil family.
soil_perc		D		The percolation rate of the soil in which the drain field lines are placed.
soil_tex_d	soils - texture	C	16	The soil texture.
sound_d	value list - boolean	C	16	An indicator as to whether or not Insulation was added to dampen the transmission of noise. (yes or no)
source_d	source list - fuel gas	C	16	The source of fuel for the subject item.
source_id		C	20	Primary Key. A unique, user defined identifier for each record or instance of an entity.
src_name_d	name list - water source	C	16	The name of the water source (e.g., Mississippi River, Bayou LaFouche, etc.).
srvc_mtr_d	value list - boolean	C	16	An indicator as to whether or not the meter is installed on a service line? (yes or no)
sst_ty_d	type list - substation	C	16	A label indicating the type of service that the substation performs (e.g. distribution substation, facility substation).
sta_cpcty		D		The pump station's output capacity (e.g., gpm) rating (with all pumps operating) at a specific total dynamic head (TDH), which correlates to normal system pressure head or design pressure head.
sta_elv		D		The top surface elevation of the subject item's interior floor/bottom in feet (English units) or meters (SI units) above some datum.

Utilities (attributes)

ATTRIBUTE NAME	DOMAIN NAME	DATA TYPE	CHAR LENGTH	DEFINITION
sta_length		D		The length dimension of the station, measured from outside face of the exterior wall/side to outside face of the opposite exterior wall/side.
sta_ty_d	discriminator - pump sta	C	16	The type of station.
sta_width		D		The width dimension of the station, measured from outside face of the exterior wall/side to outside face of the opposite exterior wall/side.
start_ty_d	type list - electric motor start	C	16	The startup configuration for the motor.
station_id		C	20	Foreign Key. Used to link the record to an associated station (pump station, pressure reducing station).
statmat_d	material list - electric cable	C	16	The type of material composing the static wires in a section.
statsize_d	dimension list - electric cable	C	16	The dimension of the static wire in American Wire Gauge (AWG) units.
status_d	status list - manhole	C	16	The status of the manhole indicating its' useability.
stochan_id		C	20	Foreign Key. Used to link the record to an applicable channel record.
stodcrg_id		C	20	Primary Key. A unique, user defined identifier for each record or instance of an entity.
stofitt_id		C	20	Primary Key. A unique, user defined identifier for each record or instance of an entity.
stogate_id		C	20	Primary Key. A unique, user defined identifier for each record or instance of an entity.
stoinlt_id		C	20	Primary Key. A unique, user defined identifier for each record or instance of an entity.
stopipe_id		C	20	Primary Key. A unique, user defined identifier for each record or instance of an entity.
stopump_id		C	20	Primary Key. A unique, user defined identifier for each record or instance of an entity.
stor_cpcty		R		The grit chamber overall storage capacity.
stosect_id		C	20	Foreign Key. Used to link the record to an associated pipe or cable section.
stosep_id		C	20	Primary Key. A unique, user defined identifier for each record or instance of an entity.
stostat_id		C	20	Foreign Key. Used to link the record to an associated station (pump station, pressure reducing station).
stovlv_id		C	20	Primary Key. A unique, user defined identifier for each record or instance of an entity.

Utilities (attributes)

ATTRIBUTE NAME	DOMAIN NAME	DATA TYPE	CHAR LENGTH	DEFINITION
substa_id		C	20	Foreign Key. An operator generated identifier locally used to identify the substation feeding this bus group.
sw_cub_no		C	20	A locally assigned switching cubicle number or designator.
switch_d	value list - boolean	C	16	This indicates whether the capacitor is presently in the circuit or is not presently in the circuit.
switch_dim		C	20	A three dimensional description of the amount of space which a switch occupies (e.g., 2 x 1 x 4).
switch_id		C	20	Primary Key. A unique, user defined identifier for each record or instance of an entity.
switch_rat		S		The maximum continous amount of current to which the switch should be subjected.
swt_sta_d	status list - electric switch	C	16	The positional condition of a switch during normal circuit conditions (e.g., normally-open, normally closed).
swt_ty_d	type list - electric switch	C	16	A label chosen from a standard list of labels indicating the characteristics of a switch.
swt_weight		S		The force of the switch toward the center of the earth due to the switch's mass.
tank_cpcty		R		The tank's storage capacity (e.g., gallons, ft3, etc).
tank_depth		D		The depth below the ground surface or cover measured from the top of the subject item.
tank_des_d	discriminator - wastewater tank	C	16	Discriminator. This value differentiates similar entities by use or type.
tank_dia		D		The inside diameter of the tank, measured from the interior wall surface to the opposite interior wall surface.
tank_id		C	20	Foreign Key. An operator generated identifier used to locally identify the subject item.
tank_lgth		D		The length dimension of the tank, measured from outside face of the exterior wall/side to outside face of the opposite exterior wall/side.
tank_st_d	style list - tank	C	16	The particular kind, class, or group of tank (e.g., elevated, hydropneumatic, etc.).
tank_sty_d	style list - tank	C	16	The style of tank, such as underground, above ground, etc.
tank_use_d	use list - tank	C	16	The particular kind or use of the tank.
tank_vol		R		The tank's storage capacity (e.g., gallons, ft3, etc).

Utilities (attributes)

ATTRIBUTE NAME	DOMAIN NAME	DATA TYPE	CHAR LENGTH	DEFINITION
tank_width		D		The exterior width dimension of the tank, measured from outside face of the exterior wall/side to outside face of the opposite exterior wall/side.
tape_d	value list - boolean	C	16	This attribute indicates whether or not location marker tape or wire been installed above the waterline pipe to facilitate it's location with a magnetometer? (yes or no).
tdh_rated		D		The total dynamic head upon which the capacity_rated is based.
tdh_u_d	unit of measure - length	C	16	The unit of measure for Total Dynamic Head (TDH), usually expressed in feet (english units).
temp_cool		R		The nominal chilled water temperature leaving the plant.
temp_heat		R		The nominal hot water temperature leaving the plant.
temp_optim		D		The optimum operating temperature for the subject item.
temp_u_d	unit of measure - temperature	C	16	The unit of measure for temperature.
ten_u_d	unit of measure - weight	C	16	The unit of measure of tension .
test_ty_d	type list - sewage test	C	16	The type of test used to evaluate the contained material.
tnkalrmelv		D		Elevation of water in upstream ground water storage tank(s) which represents a low level which activates a "low water/pressure alarm".
tocoord_x		D		The x component of individual beginning coordinate point.
tocoord_y		D		The y component of individual beginning coordinate point.
tocoord_z		D		The z component of individual beginning coordinate point.
top_elv		D		The elevation of exterior top surface of the subject item's lid, hatch, rim, or roof in feet (English units) or meters (SI units) above some datum.
top_width		D		The top width of the armor.
total_kva		D		The total kva rate for all transformers attached to the transformer bank.
tran_cap1		I		The capacity of the first transformer contained in the transformer bank. Used exclusively for displaying the capacities in the bank.

Utilities (attributes)

ATTRIBUTE NAME	DOMAIN NAME	DATA TYPE	CHAR LENGTH	DEFINITION
tran_cap2		I		The capacity of the second transformer contained in the transformer bank. Used exclusively for displaying the capacities in the bank.
tran_cap3		I		The capacity of the third transformer contained in the transformer bank. Used exclusively for displaying the capacities in the bank.
tran_use_d	use list - electric device	C	16	A label indicating the reason that the transformer is installed in the system (e.g., distribution substation, residential service, commercial service).
tran_wt		D		The force of the transformer toward the center of the earth due to the transformer's mass.
tranbnk_id		C	20	Primary Key. A unique, user defined identifier for each record or instance of an entity.
trans_id		C	20	Primary Key. A unique, user defined identifier for each record or instance of an entity.
tranvlt_id		C	20	Foreign Key. An operator generated identifier locally used to identify a specific transformer vault.
trap_id		C	20	Primary Key. A unique, user defined identifier for each record or instance of an entity.
trap_st_d	style list - tank	C	16	The particular kind, class, or group of tank (e.g., elevated, hydropneumatic, etc.).
treattyp_d	type list - pole treatment	C	16	Defines any treatment applied to the pole to improve its life.
trench_wid		D		The trench width excavated for the field drains.
trf_type_d	type list - electric transformer	C	16	The type of transformer indicating whether it is liquid or dry filled and used to setup or setpdown the power.
tribut_cod		C	20	An operator generated identifier used locally to identify a tributary subsystem of the main utility system.
tst_sta_id		C	20	Primary Key. A unique, user defined identifier for each record or instance of an entity.
type_d	type list - fitting	C	16	A discriminator indicating the kind, class, or group of the subject item.
use_d	discriminator - fuel pipe	C	16	Discriminator. This value differentiates similar entities by use or type.
use_rate		S		The fuel/gas useage rate for the subject item.
user_ind_d	value list - boolean	C	16	An indicator as to whether or not the lagoon is used for industrial wastewater. (yes or no)
user_san_d	value list - boolean	C	16	An indicator as to whether or not the lagoon is used for wastewater. (yes or no)

Utilities (attributes)

ATTRIBUTE NAME	DOMAIN NAME	DATA TYPE	CHAR LENGTH	DEFINITION
valve_elv		D		The elevation measured at centerline of the valve, in feet (English units) or meters (SI units) above some datum.
valve_id		C	20	Foreign Key. The unique site specific identification name or number of a valve associated with or connected to the subject item.
vlv_dia_d	value list - pipe diameter	C	16	The manufacturer's nominal diameter.
vlv_size		R		The manufacturer's nominal size designation.
vlv_st_d	style list - valve	C	16	The style of the valve.
vol_u_d	unit of measure - volume	C	16	The unit of measure of volume.
volt_in_d	value list - voltage	C	16	The line-to-line voltage of the transmission line that is the source for the substation.
volt_out_d	value list - voltage	C	16	The line-to-line output voltage of the substation.
voltage_d	value list - voltage	C	16	The voltage of the bus group.
watanod_id		C	20	Primary Key. A unique, user defined identifier for each record or instance of an entity.
watant_id		C	20	Primary Key. A unique, user defined identifier for each record or instance of an entity.
wathydr_id		C	20	Primary Key. A unique, user defined identifier for each record or instance of an entity.
watmetr_id		C	20	Primary Key. An operator generated identifier unique for a water meter.
watmnhl_id		C	20	Primary Key. An operator generated identifier unique for a water manhole.
watpipe_id		C	20	Foreign Key. An operator generated identifier of the utility line pipe to which the subject item is connected. Pipe_id represents the unique site specific numerical designation assigned to each section of pipe in a utility system (e.g., water, gas, sewer), interconnected by
watplnt_id		C	20	Foreign Key. The site specific unique identification name or number of the treatment plant.
watpump_id		C	20	Primary Key. A unique, user defined identifier for each record or instance of an entity.
watrect_id		C	20	Primary Key. A unique, user defined identifier for each record or instance of an entity.
watreg_id		C	20	Primary Key. A unique, user defined identifier for each record or instance of an entity.

Utilities (attributes)

ATTRIBUTE NAME	DOMAIN NAME	DATA TYPE	CHAR LENGTH	DEFINITION
watsect_id		C	20	Foreign Key. Used to link the record to an associated pipe or cable section.
watsrce_id		C	20	Foreign Key. An operator generated identifier identifying name or number of the water source.
watstat_id		C	20	Foreign Key. Used to link the record to an associated station (pump station, pressure reducing station).
wattank_id		C	20	Foreign Key. An operator generated identifier used to locally identify the subject item.
watvent_id		C	20	Primary Key. A unique, user defined identifier for each record or instance of an entity.
watvlv_id		C	20	Foreign Key. The unique site specific identification name or number of a valve associated with or connected to the subject item.
watzone_id		C	20	Foreign Key. Used to link the record to the appropriate utility management zone.
weight_u_d	unit of measure - weight	C	16	The unit of measure for weight.
weir_elv		D		Elevation of the weir invert.
weir_id		C	20	Foreign Key. An operator generated identifier used to locally reference a weir.
wer_outl_d	value list - boolean	C	16	An indicator as to whether or not the subject item has weir outlets. (yes or no)
wetwlcpcy		D		The wet well capacity.
wght_u_d	unit of measure - weight	C	16	The unit of measure for weight.
wind_ty_d	type list - winding connection	C	16	A label representing the configuration of the stator winding connections.
wire_siz_d	dimension list - electric cable	C	16	The AWG size designation for the wire connecting the anode/anode packet to the anode test station.
wire_typ_d	type list - electric cable	C	16	The conductor configuration, typically solid or stranded.
wwstank_id		C	20	Foreign Key. An operator generated identifier used to locally identify the subject item.
wwtank_id		C	20	Primary Key. A unique, user defined identifier for each record or instance of an entity.
wwtdcrg_id		C	20	Primary Key. A unique, user defined identifier for each record or instance of an entity.
wwtdspt_id		C	20	Primary Key. A unique, user defined identifier for each record or instance of an entity.

Utilities (attributes)

ATTRIBUTE NAME	DOMAIN NAME	DATA TYPE	CHAR LENGTH	DEFINITION
wwtfitt_id		C	20	Primary Key. A unique, user defined identifier for each record or instance of an entity.
wwtmetr_id		C	20	Primary Key. An operator generated identifier unique for a wastewater meter.
wwtmnhl_id		C	20	Primary Key. An operator generated identifier unique for a sanitary sewer manhole.
wwtneut_id		C	20	Primary Key. A unique, user defined identifier for each record or instance of an entity.
wwtplnt_id		C	20	Foreign Key. The site specific unique identification name or number of the treatment plant.
wwtpump_id		C	20	Primary Key. A unique, user defined identifier for each record or instance of an entity.
wwtsect_id		C	20	Foreign Key. Used to link the record to an associated pipe or cable section.
wwtsep_id		C	20	Primary Key. A unique, user defined identifier for each record or instance of an entity.
wwtvlv_id		C	20	Primary Key. A unique, user defined identifier for each record or instance of an entity.
x_dikes_d	value list - boolean	C	16	An indicator whether cross dikes exists in the subject item or not (yes or no).